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is programmed to scale using the determined scale factor. The zoom window can be fetched directly from the main display buffer or the zoom window can be copied (blit) into another region in memory and the CRTC2 (12) can read from there (see Figure 8). In this case the control of filtering and non-filtering, will depend on the filtering capabilities of the specific scaling unit used.

IN THE CLAIMS

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1. (amended) A method of controlling a display controller system to provide a display surface zoom, said display controller system having a main surface memory and at least one zoom display device, the method comprising the steps of:

receiving user input defining coordinates of a fixed position frame portion within said main surface memory;

determining a resolution of said at least one zoom display device and adjusting an aspect ratio of said portion defined by said user input to correspond to said resolution;

programming said display controller system to implement said display surface zoom;

scaling said portion of said main surface memory in said display controller system;

converting said scaled portion of said main surface memory into a display signal in said display controller system; and

outputting said display signal from said display controller system to said at least one zoom display device.

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21. (amended) A method of controlling a display controller system to provide a display surface zoom, said display controller system having a main surface memory and at least one zoom display device, the method comprising the steps of:

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receiving user input defining coordinates of a fractional portion of said main surface memory to be scaled and displayed, said fractional portion being a non-integer fraction of said main surface memory;

determining a resolution of said at least one zoom display device and adjusting an aspect ratio of said portion defined by said user input to correspond to said resolution;

programming said display controller system to implement said display surface zoom;

scaling said portion of said main surface memory;

converting said scaled portion of said main surface memory into a display signal; and

outputting said display signal to said at least one zoom display device.

REMARKS

The specification has been amended to correct defects in the application.

These defects resulted from clerical errors.

The claims have been amended to better define the Applicants' invention. There is support for the amendment at several instances in the application, for example, page 9, line 14; page 10, line 7; page 11, line 15. No new matter was introduced and the amendments are aimed at clarifying the language of the claims.

Respectfully submitted;
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By: 

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